

Notice of Allowability

Application No.

10/825,847

Applicant(s)

CANDELA ET AL.

Examiner

Art Unit

MEHDI RASHIDIAN

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on December 18, 2007.
2. ☒ The allowed claim(s) is/are 3-23 (now renumbered 1-21 for issue).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

2. Authorization for this Examiner's amendment was given in a telephone interview with Applicant's Attorney (Mr. Daniel R. Brownstone, with Reg. No. 46,581), on April 21, 2008, without traverse.

3. In claim 10, line 5, after "operation," insert --- **the boundary having a plurality of edges corresponding to a plurality of directions,** ---, and line 7, after "in each of" delete [a], and insert --- **the** ---, and line 8, after "the warping operation" delete [, the polarity of directions corresponding to a plurality of edges of the original DOD].

4. In claim 20, line 8, after "operation," insert --- **the boundary having a plurality of edges corresponding to a plurality of directions,** ---, and line 11, after "in each of" delete [a], and insert --- **the** ---, and line 12, after "the warping operation" delete [, the polarity of directions corresponding to a plurality of edges of the original DOD].

5. In claim 23, line 1, after "A computer" delete [program product], and insert --- **readable medium storing computer** ---, and line 4 after "a border", delete [the computer program product] and insert --- **which when executed by a computer**

performs a process ---, and line 5 delete [a computer readable medium; and], and line 6 delete [computer program code, stored on the medium, for:].

Reasons for Allowance

6. Applicant's arguments, (pages 8-10), filed on December 18, 2007, with respect to 3, and 4 have been fully considered and are persuasive. The rejection of claims 3 and 4 has been withdrawn. Therefore claims 3, and 4, are allowable.

7. The following is an Examiner's statement of reasons for allowance.

The prior art of record fails to teach or suggest, determining an original DOD associated with the original image, the original DOD comprising a region of the original image with a boundary surrounding useful information prior to the warping operation, the warping operation constrained by pixels being fixed at image borders; determining a maximum displacement in each of a plurality of directions based on constraints for pixel repositioning in the warping operation, the plurality of directions corresponding to a plurality of edges of the original DOD; and determining a new DOD by displacing each edge of the original DOD boundary by the determined maximum displacement in the direction corresponding to each edge, in combination into other features and elements of **claims 3, 10, 17, 20 and 23**.

8. **Claims 3-23 (now renumbered 1-21) are allowed.**

9. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of Relevant Prior Art

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Wolberg et al. (U.S. Patent 5,204,944) discloses Separable Image Warping Methods and Systems Using Spatial Lookup Table.

Bergen et al. (U.S. Patent 5,067,014) discloses Three Frame Technique for Analyzing Two Motions in Successive Image Frames Dynamically.

Huttenlocher et al. (U.S. Patent 5,321,770) discloses Method for Determining Boundaries of Words in Text.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mehdi Rashidian whose telephone number is (571) 272-9763. The examiner can normally be reached on Mon-Thurs 9:00AM to 8:00PM, ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samir Ahmed can be reached on (571) 272-7413. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mehdi Rashidian

April-21-2008

/Samir A. Ahmed/

Supervisory Patent Examiner, Art Unit 2624